Work Order II October-18-12 1:58:2			/ *918	301*		·	-	`	·	Page 1
Item ID: 647.1 Revision ID: Item Name: Space		J4.07	Accept	*N900	<b>040</b>	100	<b>)*</b> s	etup Star Stop	IVI	S1* S2*
Start Date: 18/10 Required Date: 01/11 Reference:	7/2012 Start Qty: 7/2012 Req'd Qty:	•	<del>-</del>	Cust Item II Customer:	D:					
Approvals: Proc	cess Plan: MC3	Date: 12-1	O-18 Tooling:	Da	te:	_	R	tun Star	171	R1*
QC:		Date:	SPC (Y/N):	Da	te:			Stop	*N	R2*
Sequence ID/ Work Center ID	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr									
647.1700	N/C									
*110 *110* Hardinge			0.00	H	2/11/00		14_	ø		
Hardinge CNC Lathe Small	TU FC	emo JRN AS PER DWG DLIO REV: <u>N/A</u> WG REV: <u>N/C</u>	0.00		-,,					
	DE	EBURR				-				
120	QC2- Inspect p	parts off machine FAI/FAIB	0.00							
*120*	М	emo	0.00	SS 121	11/01		14	Ø		

Quality Control

		÷	DQA:	Date:	<b>\</b>
ICR: Yes / No	WORK ORDER NON-CONFORMANCE / UPDATE				

									QA Closed:	Date	2:	
Work Orde	r:				DISPOSITION			AGAINST DE	PARTMENT	/PROCESS	·	
Part N NCR N					Rework Scrap Use-as-is Work Order Update	Th	Skid-tube Machining ermoforming Large Fab	Crosstube Small Fab Finishing Composite	mall Fab Prod. Eng. Coor. Quality Finishing Rec/Store/Packaging Other mposite Supplier			
Root				Descri	ption of work order update	Initia	Initial Action		Sign &			
Cause	Date	Step	Qty		or Non-conformance	Chief E	ng Des	cription	Date	Verification	QC Inspector	
Doc/Data												
Equip/Tooling												
Operator												
Material												
Setup												
Other	ther											
Process												
Supplier												
Training												
Unapproved										<u> </u>		
	1					AULT CA	TEGORY					
Landin	<del></del> -			<del></del>	General				<b>7</b>	_	<b>-</b>	
-	Bending				Bend	Gra			Ovalized	<u> </u>	Pressure/Forced	
	Centre No	ot Concer	ntric to (	o/s	BOM/Route	$\vdash$	ware		Over/Under		Temperature/Cure	
-	Cracks				Broken/Damaged	$\vdash$	ection Incomplete		Part Incorre	ct	Weld	
L	Crushed/0	Crimped,			Burrs	$\vdash$	uctions Incomplete	/Unclear	Part Lost/M	issing	Wrong Stock Pulled	
	Cuffs			ļ	Contamination	$\vdash$	ntenance		Part Moved			
	Heat Trea				Countersink	Misl	abeled		Positioned V	, ,	·····	
	Inspection	•	Tube		Cut Too Short	Misr	ead		Power Loss/	Surge	Other	
	Ripples in				Drill Holes	Offs						
-	Torque W		xtrusion	ո	Drawing	<del></del>	of Calibration					
<u> </u>	Turning Se				Finish	Out	of Sequence					
Wave/Twist in Tube			Folio	Outs	ide Dimensions							

131-1554E PO 18336

HAropACR propize

[32 \_\_\_\_\_ Over

13.11-06 M 13.01 (12/4) 3 (14)

										DQA:	Date	: <u>*                                   </u>
NCR: Y	'es / N	О			WORK ORDER NON-C	O	VFOR	MANCE / UPD	ATE			
										QA Closed:	Date	:
Work Orde	er:	918	01	•	DISPOSITION				AGAINST DE	PARTMENT	/PROCESS	•
	Part No. 647,1713  NCR No.				Scrap Machining Sma Use-as-is Thermoforming Fini		Crosstube Small Fab Finishing Composite	4	Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other		
Root				Descri	ption of work order update	ı	nitial	Actio	on	Sign &		
Cause	Dat	e Step	Qty	(	or Non-conformance	Ch	ief Eng	Descri	ption	Date	Verification	QC Inspector
Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved		131 132 133 134 135		10CE	e + Jospe dug e as per dug e as per dug primer Batch: 123693				14) pcs	13-12-13 13-12-13-13	11/11	
					· · · · · · · · · · · · · · · · · · ·	UL	T CATE	<del>JORY</del>				
Landir	Landing Gear  Bending Centre Not Concentric to O/S Cracks Crushed/Crimped Cuffs Heat Treat			General Bend BOM/Route Broken/Damaged Burrs Contamination Countersink Cut Too Short	Grain Hardware Inspection Incomplete Instructions Incomplete/Unclear Maintenance Mislabeled			Ovalized Over/Under Part Incorre Part Lost/M Part Moved Positioned V	ct issing Vrong	Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled		
}	Inspection Strip in Tube Ripples in Bend				Drill Holes	$\overline{}$	Misread Offset			Trower ross/	Juige	Other

Out of Calibration

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drawing

Finish

Folio

### .Picklist Print

October-18-12 1:58:24 PM

Parent Item Name: Spacer

Work Order ID: 91801

647.1713

\*91801\* \*647 1713\*

**Start Date: 18/10/2012** 

**Required Date:** 01/11/2012

**Start Qty: 12.00** 

Required Qty: 12.00

Comments:

Parent Item:

IPP REV:A 12.10.04 NEW ISSUE DD VERF:JFS

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
*M6061T6R1.250  *M6061T6 6061-T6 Round Bar 1.250	, , , , , , ,	Purchased *	No			110	f	19.8600	0.02	0.252632 .500'	J.	1 12/11	01
		٠		Location		Loc	Oty	Loc Code					

19.86 113457 2.66 thisone -17.2 Page 1

									DQA:	Date:	
NCR: Yes	s / No				WORK ORDER NON-C	ONFORM	MANCE / UP	PDATE	QA Closed:	Date:	
Work Order:	ork Order: DISPOSITION AGAINST						AGAINST DE	DEPARTMENT/PROCESS			
Part No.  Scrap Machining Small Fab Prod. Eng. Coor.  Use-as-is Thermoforming Finishing Rec/Store/Packaging  NCR No.  Work Order Update Large Fab Composite Supplier					Engineering Quality Other						
Root				Descri	ption of work order update	Initial	Ad	tion	Sign &		
Cause	Date	Step	Qty		or Non-conformance	Chief Eng	Desc	cription	Date	Verification	QC Inspector
Doc/Data											
quip/Tooling											
Operator		1									
Material											
Setup											
Other											
Process	_										
Supplier											

Landing	Gear	General						
	Bending	Bend		Grain		Ovalized		Pressure/Forced
	Centre Not Concentric to O/S	BOM/Route		Hardware		Over/Under tolerance		Temperature/Cure
	Cracks	Broken/Damaged		Inspection Incomplete		Part Incorrect	Г	Weld
	Crushed/Crimped.	Burrs		Instructions Incomplete/Unclear		Part Lost/Missing		Wrong Stock Pulled
	Cuffs	Contamination		Maintenance		Part Moved	-	_
	Heat Treat	Countersink	Г	Mislabeled	Г	Positioned Wrong		
	Inspection Strip in Tube	Cut Too Short	Γ	Misread		Power Loss/Surge		Other
	Ripples in Bend	Drill Holes	Г	Offset		•		
	Torque Waves in Extrusion	Drawing	Γ	Out of Calibration				
	Turning Sequence	Finish		Out of Sequence				
	Wave/Twist in Tube	Folio		Outside Dimensions				

**FAULT CATEGORY** 

Training Unapproved

DART AEROSPACE LTD	Work Order:	91 801
Description: Slace	Part Number:	647.1713
Inspection Dwg: Rev: D/C		Page 1 of 1

# FIRST ARTICLE INSPECTION CHECKLIST

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
.25	+/010	. 247			5608	Vein
.25 \$1.25 \$.210	+/- ,010	1.241	<b>V</b>		5602	Vein Mic Vein
d . 210	+.005/001	. 210	V		5608	Veur
				ļ 		•
				1		
		<u> </u>				

	21		DA <sub>2</sub>		
Measured by:	Af	Audited by:	08	Preliminary Approval:	
Date:	17/11/01	Date:	12/11/10/	Date:	

Re	v Date	Change Revised by Approved	$\frac{1}{2}$
E	10.04.14	Added preliminary approval KJ	J

ENGINEERING CHANGE NOTIC. NO. 02937 SHEET. OF 1  DWG NO. 647.1700 REV: NC PREPARED. JACKSON DATE: 07/14/10 EFFECT ON DWG INDUSTRIES, INC.  DWG TITLE: SKID DEFLECTOR ASSY  APPOVLD BY PHONE REASON: REVISED F/N 8 AND NOTE APPOVLD BY PHONE REASON: REVISED F/N 8 AND NOTE APPOVLD BY PHONE REPOVLD BY PHONE REASON: REVISED F/N 8 AND NOTE APPOVLD BY PHONE REPOVLD BY PHONE REASON: REVISED F/N 8 AND NOTE APPOVLD BY PHONE REPOVLD BY PHONE REASON: REVISED F/N 8 AND NOTE APPOVLD REFT: CURRENT ORDER  SHEET 1. ZONE AJ IS:  SHEET 2. ZONE AJ IS:  SHEET 2. ZONE AJ IS:  SHEET 3. ZONE AJ IS:  SHEET 1. ZONE AJ IS:  SHEET 2. ZONE AJ IS:  SHEET 2. ZONE AJ IS:  SHEET 3. ZONE AJ IS:  SHEET 1. ZONE AJ IS:  SHEET 3. ZONE AJ IS:  SHEET 3. ZONE AJ IS:  SHEET 1. ZONE AJ IS:  SHEET 3. ZONE AJ IS:  SHEET 1. ZONE AJ IS:  SHEET 2. ZONE AJ IS:  SHEET 3. ZONE AJ IS:  SHEET 1. ZONE AJ IS:  SHEET 2. ZONE A	3	A. S. A. W						
INDUSTRIES, INC.    DWG TITLE: SKID DEFLECTOR ASSY   APPROVED BY   SMOR   APPROVED BY   APPROVED BY	-	•	ENGINEERING C	HANGE NOTICL	N <sub>0</sub> .	02937	SHEET	
INDUSTRIES, INC.    DWG   TITLE: SKID DEFLECTOR ASSY   APPROVED by ENGRY   APPROVED by		APICAL	DWG NO. 647.1	700 REVINC	PREPARED,	JACKSON DATE		
PRANSACHINI CIBES (TC) A-AUD C-CREATE REASON: REVISED F/N 8 AND NOTE A ADDED INSPECTION DIMENSIONS TO DRAWING VIEWS.  SHEET 1. ZONE AL IS:  SHEET 2. ZONE AL IS:  PRINE LAW MIL-P-23377J TYPE 1 CLASS N  SHOPCORV REMAINS THE COPY SHOULT FOR A PROMOTER, COLOR BLUE, REMAINS THE COPY SHOULT TO ASSOCIATE BUYER WORK (FIDER NO. 9180.)  8 R 601.1622   1 SCREW   MS27039-1-14 / MS27039-1-14		INDUSTRIES, INC.				$\sim$ $\sim$ $\sim$ $\sim$	Δ	
AADD C-CREATE REASON: REVISED F/N 8 AND NOTE ADDED INSPECTION DIMENSIONS TO DRAWING VIEWS  SHEET 1. ZONE ALLS:  SHEET 2. ZONE ALLS:  PRETREAT PRO-DESCRIP PR-148 ADHESION PROMOTER, COLOR BLUE;  SHOPCOPY RIGHAL DAY MILE-23377J TYPE I CLASS N  SHOPCOPY RIGHAL TO ASSEMBLY WORK ROTHER W	ļ	TPANSACTION CODES (TC)	APPROVED BY: ENUR	THE D	EN B	- Maurel-	EFF: CURF	RENT ORDER
E R 601.1622 I SCREW  FMITCPART NUMBER OTY DESCRIPTION  B R 601.1622 I SCREW  FMITCPART NUMBER OTY DESCRIPTION  B R 601.1622 I SCREW  DDCUMENTS EFFECTED  DDCUMENTS EFFECTED  MBL 0 INSTALL IN		A-ADD C-CREATE	REASON: REVISED	F/N 8 AND NOTE /	<u> ADDED</u>	INSPECTION DIME	NSIONS TO DRAW	VING VIEWS.
B R 601.1622 1 SCREW  F/N TCPART NUMBER QTY DESCRIPTION  MS27039-1-14  MS27039-1-14  MATERIAL/SPECIFICATION  DUCUMENTS EFFECTED:  DMDL D INSTALL INSTRUCTORES OF THE CHANGE CATEGORY DER REVIEW REQUIRED	THE	FINISH: HARD AND PRETREAT PRC-DE	<u>S:</u> Dłze jaw mil-a-8625 j SOTO PR-148 ADHESION	TYPE HI CLASS 2, 601 PROMOTER COLOR RI		SHEET	2, (4.15	
8 R 601.1622 1 SCREW F/N TC PART NUMBER QTY DESCRIPTION DDCUMENTS EFFECTED: DMDL D INSTALL INSTRUCTOR FINANCE CATEGORY DER REVIEW REQUIRED  NZ-(0-18 A A A A A A A A A A A A A A A A A A A	TO COMPANY OF THE PROPERTY OF					RETURN 10 ENGINEERIN UNCONTROLLEI SUBJECT TO AMEN WITHOUT NOT	G D COPY IDMENT ICF	A -
F/N TC PART NUMBER QTY DESCRIPTION  DOCUMENTS EFFECTED:  DMDL DINSTALL INSTRUCTOR FINS DICA FOR DOMESTICATION CHANGE CATEGORY DER REVIEW REQUIRED	A STATE OF THE PARTY OF THE PAR	,					2-(0-18	A -
DOCUMENTS EFFECTED:    MATERIAL/SPECIFICATION   CHANGE CATEGORY   DER REVIEW REQUIRED	·						MS27039-1-1	
DOCUMENTS EFFECTED: DER REVIEW REQUIRED CHANGE CATEGORY DER REVIEW REQUIRED			RTY   DESCRIPTION					
	L	BUCUMENIS EFFECTED:	□ MDL □ INSTALL I	NSTRUC   FMS   I	CA ⊠ B□M	CHANGE CATEGORY  MAJOR MINOR	DER REVIEW REQ	UIRED

#### NOTES:

MATERIAL: 7075-T6 ALUMINUM PER AMS-QQ-A-250/12



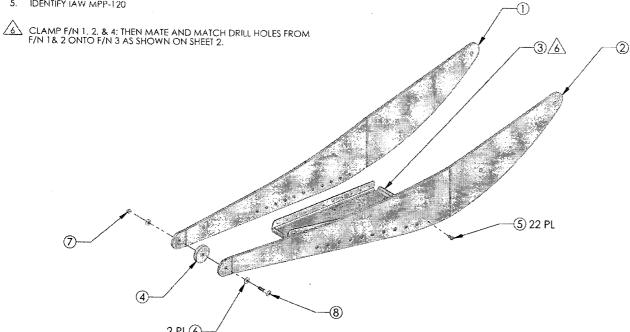
MATERIAL: 6061-T6 ALUMINUM BAR IAW AMS-QQ-A-250/11

33 OFINISH: HARD ANODIZE IAW MIL-A-8625 TYPE III CLASS 2. COLOR BLACK: CARDINAL 4860-50 PRETREATMENT PRIMER; PRIME IAW MIL-P-23377J TYPE I CLASS N

4. DEBURR AND BREAK ALL SHARP EDGES

THE THE SECURITION CONTRIBUTES THE BECAMES TO THE SOLE PROFESSION OF TALL THE SITE PROFESSION OF TALL THE STATE PROPERTY OF THE OF THE OF THE OFFICE AND PROPERTY OF THE OFFICE STATES OF THE OFFICE S

5. IDENTIFY IAW MPP-120

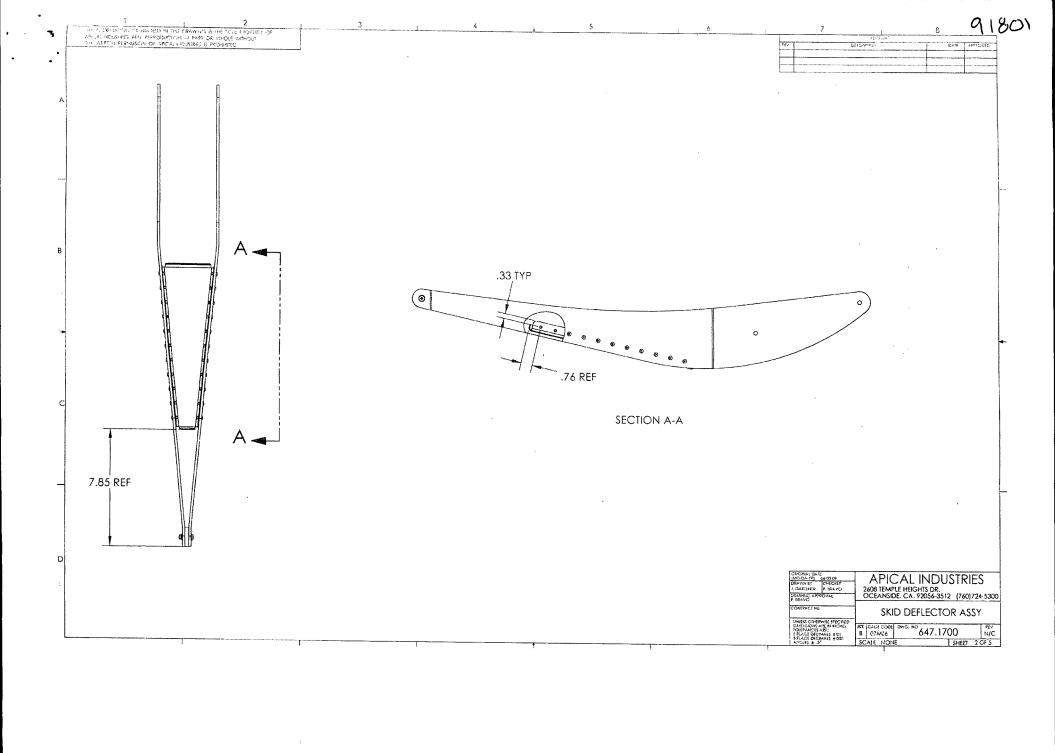


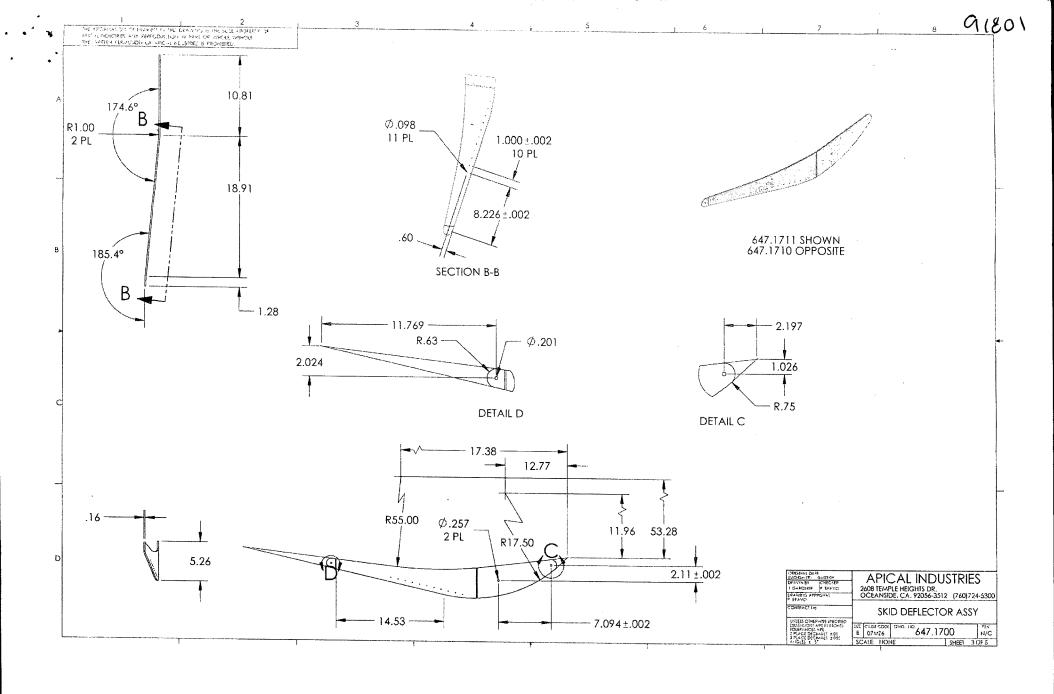
# UNINCORPORATED ECN(s)

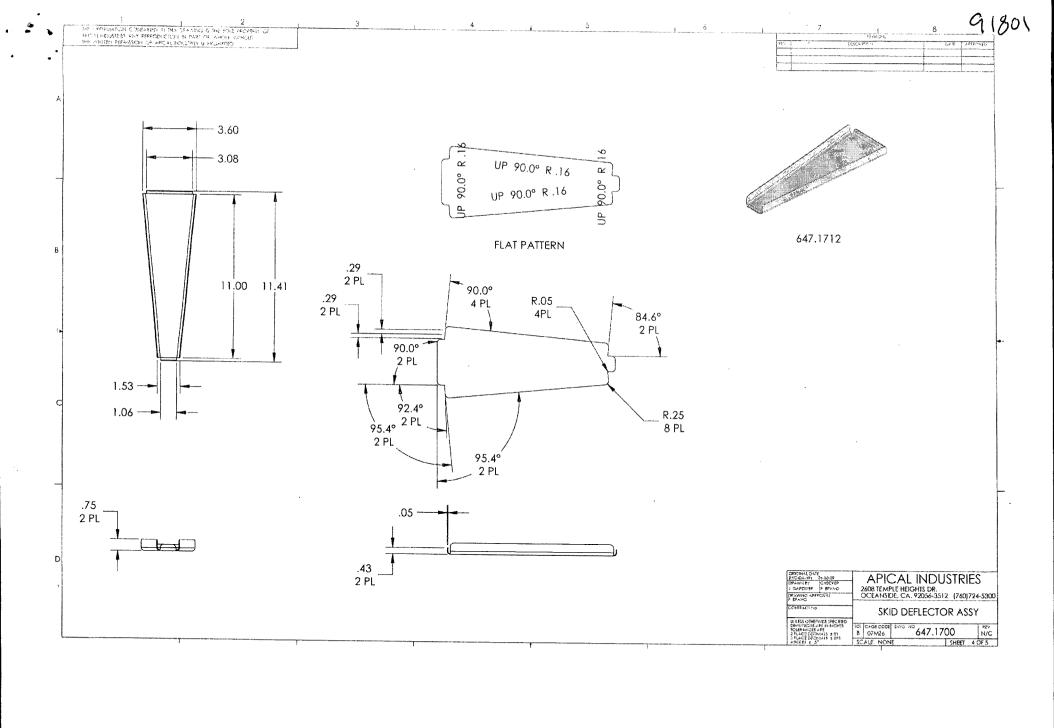
	1	8		601.2637	SC	REW	M537039-1-13		
1	1	7		601.2943	LOCKNUT		M\$21G42-3		
<u> </u>	2	6	601.1607		WASHER		NAS1149F0332P		
	22	5		601.1915 RIVET		CR3213-4-4			
	, !	4		647.1713	SPACER -		(Z)	(A)	
	1	3	3 647.1712		Gl	JSSET		Δ	
	1	2		647.1711 PLATE 647.1710 PLATE		Δ	A		
	1					Δ	Δ		
			647.1701		ID DEFLECTOR ASSY				
	.1701	FIND	#	PART #	Ī	DESCRIPTION	MAT'L	SPEC	
QTY				PARTS LIST	·*	J			
NEXT ASSY (S) 647.1300		S)	CRECERAL DATE INCOCATES OBROCOS  TRAVIONES CRECYES 1 GAPDNES DESCO			APICAL INDUSTRIE  2608 TEMPLE HEIGHTS DR. OCEANSIDE CA. 92056-3512 (760172			

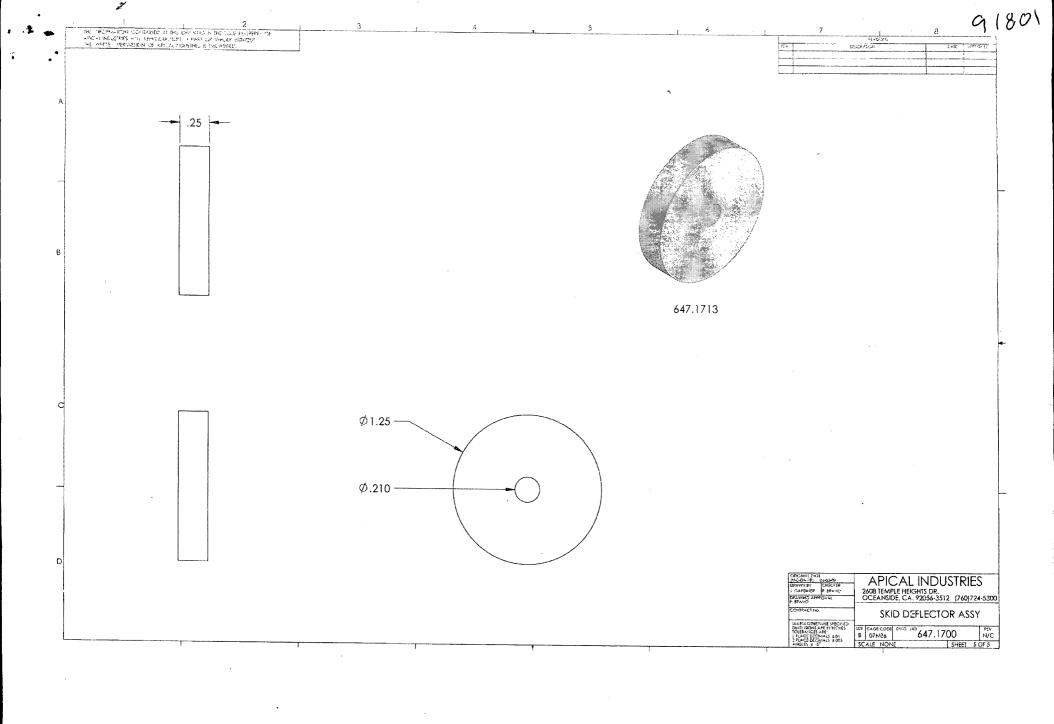
SKID DEFLECTOR ASSY

B 07MZ6 000 0WG 10 647.1700











Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

#### **PURCHASE ORDER**

Purchase Order ID PO18338

Purchase Order Date 11/6/2012 PO Print Date 11/19/2012

Page Number 1 of 1

Order From:

VC-ATG001

A.T.G. INDUSTRIES INC. 731 INDUSTRIELLE ROAD ROCKLAND, ON K4K 1T2 **CANADA** 

**Contact Name** 

Vendor Phone

613-446-4544

Vendor Fax

613-446-4556

Vendor Account Nbr

**Buyer** 

**Requisition Nbr** 

Tax Resale Nbr

Terms

Net 30

Currency

CAD

**FOB** 

Destination-Collect

Brigitte Golden

10127-2607

Ship To:

DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Line Nb	or Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable U	Req Qty/ Init of Measure	Ship Method	Unit Price	Extended Price
1 9	91440	347-0210 Rail	11/14/2012 Yes.	46.00	Dart Truck	\$8.8300	\$406.18
		Special Inst:	FINISH: HARD E IAW MIL-A-8625				
2	91801	647.1713 Spacer	11/14/2012 Yes	14.00	Dart Truck	\$8.8300	\$123.62
		Special Inst:	Same as above				
3 9206	92068	647.1612 Splice Plate	11/14/2012 Yes	12.00	Dart Truck	\$8.8300	\$105.96
		Special Inst:	Same as above				

PO Total:

\$635.76

No substitution or deviation without consent.

Certificate of Conformity or Material Certification required - YES) . NO

Change Nbr:

2

Change Date: 11/19/2012



A:T.G. Industries Inc. 731, rue Industrielle Rd. PLATING DEPARTMENT Rockland, On K4K 1T2 Canada

Ph: (613) 446-4544 Fax: (613) 446-4556

## Pack List

Number: 62067

Date: 22-Nov-12

То

DART AEROSPACE LTD 1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7 Canada

Ship To

DART AEROSPACE LTD 1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7

Canada

Fav. 613-632-1185

Ph: 613-632-5	200 Fax: 613-632-1185	Pn:	613-632-5200	Fax. 013-032-1103						
erms		Ship Via		<u></u>						
				: ' <u> </u>						
Quantity	Description									
1 lot	t		Rev:							
	46 PCS 347-0210 14 PCS 647.1713 D 12 /u/26 16 PCS 647.1612									
	HARD ANODIZE BLACK MIL-A-8625 TYPE III CLASS 2 Job: 20120721	PO: PO18338	Line:							
	Certificate of Con	formance								
	A.T.G. Industries certifies that all items in this shipment are in conformance with all requirements, specifications and drawings referenced in the purchase order.									
	ISO 9001 : 2008 REG ATG SALES-2010 TE	SISTERED ERMS APPLY								
	CERTIFIED SIGNATURE :									
	RECEIVER SIGNATURE :									
			•							